

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: JACQUES LOUIS JACQUE Examiner #: 71236 Date: 8/26/02
 Art Unit: 3661 Phone Number 30 5-7157 Serial Number: 08/726,030
 Mail Box and Bldg/Room Location: PKS 3A07 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Programmable Mobile Device with Thumb Wheel

Inventors (please provide full names): James Clear

Earliest Priority Filing Date: 10/4/96

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

NEED A Litigation Search for

US 5,731,873 corresponding to Appl. No 08/726,030

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Type of Search

Vendors and cost where applicable

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Date Completed: _____	Litigation <u>✓</u>	Lexis/Nexis <u>✓</u>
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Online Time: _____	Other _____	Other (specify) _____

1 / 1 LGST - @LEGSTAT

Patent Number :

US 5931873 [US5931873]

Application Details :

US 726030/96 19961004 [1996US-0726030]

Document Type :

US-P

Action Taken :

19961004 US/AE-A

APPLICATION DATA (PATENT)

US 726030/96 19961004 [1996US-0726030]

19990803 US/A -
PATENT

20020611 US/RF
REISSUE APPLICATION FILED
20010802

Update Code :

2002-26

1 / 1 CRXX - @CLAIMS/RRX

Patent Number :

5,931,873 A 19990803 [US5931873]

Patent Assignee :

Telxon Corp

Actions :

19990909 REASSIGNED

RELEASE BY SECURED PARTY

Assignor: THE BANK OF NEW YORK, AS AGENT DATE SIGNED: 08/30/1999

Assignee: TELXON CORPORATION 3330 WEST MARKET STREET AKRON, OHIO 44334

Reel 010216/Frame 0776

Contact: FEDERAL RESEARCH CORP 400 SEVENTH STREET, NW SUITE 101
WASHINGTON, DC. 20004

19990909 REASSIGNED
RELEASE OF SECURITY INTEREST

Assignor: BANK ONE, NA DATE SIGNED: 08/30/1999

Assignee: TELXON CORPORATION 3330 WEST MARKET STREET AKRON, OHIO 44334

Reel 010216/Frame 0050

Contact: FEDERAL RESEARCH CORP. ERICA PETERSON 400 SEVENTH STREET NW
SUITE 101 WASHINGTON, DC 20004

19990909 REASSIGNED
SECURITY INTEREST

Assignor: TELXON CORPORATION DATE SIGNED: 08/26/1999

Assignee: FOOTHILL CAPITAL CORPORATION AS AGENT SUITE 1500 11111 SANTA
MONICA BOULEVARD LOS ANGELES, CALIFORNIA 90025

Reel 010216/Frame 0081

Contact: FOOTHILL CAPITAL CORP. 11111 SANTA MONICA BLVD. STE. 1500 LOS
ANGELES CA 90025

20010802 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020611
REISSUE REQUEST NUMBER: 09/921103
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3661

Reissue Patent Number:

1 / 1 PAST - ©Thomson Derwent

Accession Number :

200224-001836

Patent Number :

5931873 A [US5931873]

Official Gazette Date :

2002-06-11

Actions :

REISSUE APPLICATION FILED

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5931873

<=1> GET 1st DRAWING SHEET OF 6

August 3, 1999

Programmable mobile device with thumb wheel

REISSUE: August 2, 2001 - Reissue Application filed Ex. Gp.: 3661; Re. S.N.
09/921,103 June 11, 2002

APPL-NO: 08726030

FILED-DATE: October 4, 1996

GRANTED-DATE: August 3, 1999

CORE TERMS: wheel, mobile, terminal, thumb, user, processor, screen, interrupt,
switch, cursor ...

. 5931873 OR 5,931,873 OR 6260304 OR 6,260,304

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** SS 1: Results 1

Query/Command : PRT SS 1 MAX 1-5 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image

Patent Number :

US5931873 A 19990803 [US5931873]

Title :

(A) Programmable mobile device with thumb wheel

Patent Assignee :

(A) TELXON CORP (US)

Inventor(s) :

(A) CISAR JAMES M (US)

Application Nbr :

US72603096 19961004 [1996US-0726030]

Priority Details :

US72603096 19961004 [1996US-0726030]

Intl Patent Class :

(A) G06G-007/76

EPO ECLA Class :

G06K-011/18C

H04M-001/247F

US Patent Class :

ORIGINAL (O) : 701001000

Document Type :

Basic

Citations :

US4126779; US4359222; US4627277; US4650161; US4685065; US4993004;

US5374015; US5409478; US5411185; US5433350; US5473344; US5507457;

US5540125; US5648897; US5681015; US5684861

Publication Stage :

(A) United States patent

Abstract :

A programmable mobile terminal which includes a thumb wheel for selecting among a plurality of functions executable by the mobile terminal. The programmable mobile terminal allows a user to employ the same hand that is holding the mobile terminal to scroll through and select a function among a plurality of functions via the thumb wheel. The wheel portion of thumb wheel is rotated either clockwise or counter clockwise by the user's thumb or other finger to scroll a screen cursor through the functions and once the screen cursor of the mobile terminal is positioned at a desired function, the user can depress the wheel portion in a transaxial direction with the same thumb or finger to select the desired function. Also, the programmable mobile terminal allows a user to scan bar code information and use the thumb wheel for selecting among a plurality of functions relating to the scanned bar code information.

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